



# NORTHERN ARCHITECTS

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## REVISIONS

## PROJECT

**DERBY WELCOME CENTER**  
PROJECT #M 0913(8)

NEW FACILITY

DERBY VERMONT

DATE: 01/07/02  
SCALE: AS SHOWN  
CHECKED:  
PROJECT NO: 2005

# POWER, TELEPHONE AND FIRE ALARM PLAN

# E2.1

LIGHTING PROTECTION GROUND GRID AT 3'-0" OFF-EDGE OF BUILDING FOUNDATION @ 2'-0" BELOW FINISHED GRADE.

3/4"x10' GROUND ROD (TYPICAL @ EACH CORNER OF BUILDING)

#4/0 AWG GROUND GRID AROUND BUILDING @ 24" BELOW FINISHED GRADE APPROXIMATELY. 3' OFF OUTSIDE EDGE OF FOUNDATION (ALL AROUND BUILDING).

LIGHTING PROTECTION CABLING SYSTEM. ALL CABLE RUNS SHALL BE HIDDEN. (REFER TO SPECIFICATIONS) (TYPICAL)

CABLES TO DESK. (1) SVIDEO AND BNC CABLES OR AS SPECIFIED BY ARCHITECT.

RECEPTACLE FOR PLASMA SCREEN T.V. M.H. AT 9' AFF

COORDINATE EXACT LOCATION WITH ARCHITECT.

WHERE CEILING IS OPEN TRUSS SMOKE DETECTORS SHALL BE LOCATED AT HIGHEST POINT PER NFPA 72. TYPICAL

REFER TO SPEAKER NOTE 1 THIS DRAWING

COORDINATE EXACT POWER REQUIREMENTS AND MOUNTING HEIGHT FOR BIRD CONTROL EQUIPMENT.

PROVIDE VANDAL RESISTANT GUARD FOR ALL EXTERIOR FIRE ALARM DEVICES. (SEE A2.1 FOR MTG HEIGHT.)

INSTALL ON WALL ABOVE. TERMINATE WIRING AT DESK IN ROOM 101 OR OFFICE 104. CONCEAL WIRING. (SEE SPEAKER NOTE 1 THIS DRAWING) MH BY ARCHITECT (TYPICAL)

COORDINATE EXACT LOCATIONS OF POWER REQUIREMENTS FOR AUTOMATIC FAUCETS WITH DIV. 15. (TYPICAL)

COORDINATE WITH ARCHITECT FOR EXACT MH OF RECEPTACLE AND TV CABLES.

1" PVC CONDUIT UNDERFLOOR/IN CASEWORK

TO TEL. BACKBOARD IN MECH/ELECT. RM.

ACCESSIBLE JIB'S IN STORAGE RM @ 18" AFF

REFER TO PEOPLE COUNTER NOTE 1 THIS DRAWING.

LOCATE Sub SWITCHES AS DIRECTED BY ARCH/ STATE OF VERMONT LABOR AND INDUSTRY (TYP.)

REFER TO ES-1

UNDERGROUND ELECTRICAL SERVICE

TO TRANSFORMER

UNDERGROUND TELEPHONE SERVICE

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**SPEAKER NOTE:**  
1. WIRING FOR SPEAKER SHALL BE TERMINATED AT A LOCATION AS DETERMINED BY OWNER. (TYPICAL) PROVIDE MINIMUM OF 50' CABLE - TO BE TERMINATED AT DESK IN ROOM 101 OR OFFICE 104. CONCEAL WIRING.

**PEOPLE COUNTER NOTES:**  
1. ELECTRONIC COUNTER INSTALLATION PER MANUFACTURER'S INSTRUCTIONS COUNTER AND REFLECTOR EQUAL TO RILCO INC. (S13) 271-0630 MODEL P5K016/W/ REFLECTOR AND P5K030 COUNTER. MTG HT AT 18"± (COORDINATE W/ ARCHITECT ON MTG DETAIL.)  
2. REFLECTOR MOUNTED ON STONE. PROVIDE MOUNTING DETAIL TO ARCHITECT PRIOR TO INSTALLATION AS PART OF SHOP DRAWINGS PROCESS.

**BIRD CONTROL NOTE:**  
1. ULTRASONIC BIRD REPELLER INSTALLATION PER MANUFACTURER'S INSTRUCTIONS, EQUAL TO BIRD-X QUADBLASTER QB-4. (COORDINATE W/ ARCHITECT ON EXACT MOUNTING HEIGHT.)

**SECURITY SYSTEM/ACCESS CONTROL:**  
1. ALL WIRING SHALL BE INSTALLED CONCEALED.  
2. COORDINATE ALL PLACEMENT OF DEVICES, HARDWARE AND WIRING WITH ARCHITECT AND SPECIALTY CONTRACTOR FOR SAID SYSTEMS.

## POWER, TELEPHONE AND FIRE ALARM PLAN

SCALE = 1/4" = 1'-0"